Course Project
Computer Vision (CSCI 4220U)

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http://vclab.science.ontariotechu.ca

Course project

- ▶ Project selection by March 4
- ▶ Project topics presentations, March 6
- ▶ Project report due by April 5, 11:59 pm

Project selection

- ▶ Submit a one page abstract that describes the project
  - ▶ Project title
  - ▶ Student names (maximum up to two students)
  - ▶ A paragraph or two that introduce the project

Project team

- Maximum up to two students

Possible topics

- ▶ Extend lab 4 or 5
- ▶ Object detection, segmentation and tracking
- ▶ Scene analysis, action and activity analysis
- ▶ Implement and evaluate a recent computer vision paper
  - ▶ Check out computer vision conferences, such as CVPR, ICCV, etc.
- ▶ Applications of vision in anomaly detection, sports analytics, retail, medical imaging, etc.
- ▶ Pitch me your idea

Topics presentation

- ▶ I may ask you to give a brief 2 minutes pitch for your project
- ▶ It is useful since it allows your classmates to see what you plan to do
  - ▶ Creates opportunities for collaboration

Project report (due by April 5)

▶ For your final project write-up you must use the VCLab course project template available at Overleaf.

▶ Project report is expected to be between 4 to 8 pages.

▶ Possible sections
  ▶ Introduction
  ▶ Related work
  ▶ Methodology
  ▶ Results
  ▶ Discussion and Conclusions
    ▶ Link to a code repo (private if needed)

▶ Additionally, you may submit a 3 minutes video for your project.

Grades

Project grade will depend on

- the ideas;
- how well you present them in the report;
- how well you position your work in the related literature;
- how thorough are your experiments; and
- how thoughtful are your conclusions.

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